1.   Introduction
     GDS Delivery Version: **D2.10.0**   ☐ Full Delivery   ☒ Partial   ICA #: 10364

     In Flight
     Spacecraft: ☐ MGS   ☐ M98 Orbiter   ☒ M98 Lander   ☐ Stardust   ☐ Other [_____]

     Pre_Flight
     Spacecraft: ☐ M01 Orbiter   ☐ M01 Lander   ☐ Genesis   ☐ Other [_____]

     Type: ☒ Block Updates _____   ☒ Utilities ☐ Command Dictionary
                  ☒ Modeling Updates   ☐ Other [_____]

 Notice: Times Below were decided at the Change Board.

     Installation Window: _____
     Best Times to Install: _____
     Freeze Times: _____

MCR's

     Block Updates

         479, - "Change to Scam Profile"

               late_cruise_earthpoint.blk - late_cruise_realtime.blk

2. Delivery Location: **mgcm1:/staging/MSOP/seq**   ☒ **doc/** (directory) ☒ **tarfiles/** (directory)

3. SEQ Workstations - Installation Instructions: ☐ N/A   ☒ (See Attached - Directory Listing)

   a) Special Alerts - Before Install

         ☒ ASP - Must be Stopped - Coordinate with SEQ Team Chief and SIE on Duty

         ☒ Notify S/W Dev: ☒ J. Morris (4-1069) ☒ S. Wissler (4-0153)   &   ☒ SIE on Duty

   b) Install - Tar file: **D2.10.0**-SEQ-**001**-SEQ tar in directory: /msop/seq/

       On: PST workstations

       1)   copy the tarfile: **D2.10.0**-SEQ-**001**-SEQ-MPL.tar   - to subdirectory: /msop
       2)   tar -xvf **D2.10.0**-SEQ-**001**-SEQ-MPL.tar
       3)   rm **D2.10.0**-SEQ-**001**-SEQ-MPL.tar

   c) Notify: ☒ J. Morris (4-1069)   ☒ S. Wissler (4-0153)   ☒Linda Lee (3-9568),
      when Install is completed.

       1)   Software Dev will configure   /msop/seq_data and other areas
               ☒ clean-out /engineering
               ☒ verify software installed correctly
               ☒ run test cases

2) Software Dev will Notify: ☒ SIE on Duty   ☒ CM   when configuration is completed.

3) ☐ SIE on Duty ☐ SEQ Team Chief   ☐ Software Development will:

☐ Restart ASP ☐ Notify - ACE, so Operations may continue   ☐ Notify - CM

Special - User's - Alerts - After Install:

☒ Log off workstation - then Log back on   (files need to be re-configured)
☐ Incon's MUST be updated
☒ Previous symout can be used

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4. SCT Workstations - Installation Instructions: ☒ (See Attached - Directory Listing)

a)   Install - Tar file: **D2.10.0**-SEQ-**001**-SEQ tar in directory: /msop/seq/

On: ☐LMA SCT SERVER ☐LMA STL Workstations ☐ SD MSA

1) copy the tarfile: **D2.10.0**-SEQ-**001**-SEQ-MPL.tar   - to subdirectory: /msop
2) tar -xvf **D2.10.0**-SEQ-**001**-SEQ-MPL.tar
3) rm **D2.10.0**-SEQ-**001**-SEQ-MPL.tar

Comments:

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b)   Notify: ☒ J. Morris (4-1069)   ☐ S. Wissler (4-0153)   ☒Linda Lee (3-9568),
when Install is completed.

1) Software Dev will configure   /msop/seq_data and other areas
☒ clean-out /engineering
☒ verify software installed correctly
☐ run test cases

2) Software Dev will Notify: ☐ ACE   ☐ CM - when configuration is completed.

Special - User's - Alerts - After Install:

☒ Log off workstation - then Log back on   (files need to be re-configured)

5.0 SOPC/ER Workstations   - Installation Instructions: ☐ (See Attached - Directory Listing)

a) Special Alerts - Before Install

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b) Install - Tar file: **D2.10.0**-SEQ-**001**-SEQ-MPL.tar - in directory: /msop/seq/

On: ☐MGS - SOPC Workstations ☐ MSOP - SOPC Workstations   ☐ M98 - SOPC Workstations

1) copy the tarfile: **D2.10.0**-SEQ-**001** -SEQ-MPL.tar to /msop
2) tar -xvf **D2.10.0**-SEQ-**001** -SEQ-MPL.tar
3) rm **D2.10.0**-SEQ-**001** -SEQ-MPL.tar

Comments:

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c) Notify: ☒ J. Morris (4-1069)   ☒ S. Wissler (4-0153)   ☒Linda Lee (3-9568),
    when Install is completed.

      1) Software Dev will configure   /msop/seq_data and other areas
             ☐ clean-out /engineering
             ☐ verify software installed correctly
             ☐ run test cases

      2) Software Dev will Notify: ☒ J. Glance (3-0630)   ☒ CM -   when configuration is completed.

Special - User's - Alerts - After Install -

  ☒ Log off workstation - then Log back on   (files need to be re-configured)

Comments:

 Notice: In the event there is a problem with a SOPC/ER Workstation install, notify Jesse Glance (3-0630)
       or his Pager @ (800) 759-8888 – pin # : 1192339

This form will be placed on our homepage, in the following URL: http://mgsw3.jpl.nasa.gov/seq/seq_dev/

Directory Listing: D2.10.0-SEQ-001-SEQ-MPL.tar

```
  1987 Sep 16 23:27 1999 seq/bin/mpl-seq-adapt-setup

452815 Sep 16 23:16 1999 seq/satf/M98.lander.B60a.satf
```

Regression Tests:

1)   Ran the Lander regression blocks test suite

2)   Ran pc009a cruise sequence
    The pefs were compared and the only differences were due to header file information (pc009a.01.pef
    (on mdevttacs::/data1/Original_SEQ_runs) and pc009a.01.pef on mtbseq1 were used in the comparison)

3)   Ran a test case which exercises the two new MPL blocks. Used pef_display with the -compare option
     to compare the pef generated on mtbseq1 and a pef that was reviewed by Angus. The results from the
     pef_display script compared.

Sequence Development Tests - ran on: **scuba, mdevseq & mtbseq1**

Script **run_local_SIM_rtc_ASP_tests**   (Ran on **mdevseq & mtbseq1** – runs ASP locally)

	Options Selected	Comments
X	1 - file_load tests (ic - ifl) 8-tests	
X	2 - SCT - ic & ec - tests - 13-tests - sdu-mgs-mco-mpl mco - abm (ca223t) & drag (cp223r)	Tests ran as expected, everything, ran through the ASP
	3 - MAG - nipc tests - 2-tests - mgs only	
	4- All tests	

Sequence tests   (Ran on **mdevseq & mtbseq1**)

	Additional Test	Comments
X	MCO - cp000d - (moi – Test)	Test ran as expected all miss-compares were explained, due to block updates
X	MPL - pc009a - last (cruise sequence)	
X	MPL - pc010_test2 - late_cruise - tests	

Script: **run_block_tests**   (Each block is run through Seqgen)

> **Ran – MCO - test and - compares D2.10_mtbseq1 with D2.9_mtbseq1**
> **Ran – MPL - test and - compares D2.10_mtbseq1 with D2.9_mtbseq1**
>
> **Ran – test and - compares D2.10_mdevseq with D2.10_mtbseq1**
> **Ran – test and - compares D2.10_scuba with D2.10_mtbseq1**

	Options Selected	Comments
	1 - mpl - Blocks	
	2 - mco - Blocks	Test ran as expected all miss-compares were explained, due to block updates
X	3 - mpl & mco - Blocks	
	4 - sdu - Blocks	
	5 - All tests	